

Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0023

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 01/19/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 **Phone:** 916-440-7940

Site and Sample Information

Collector's Name: Victoria Brandt

Date/Time Collected: 01/06/2012 15:28 Date/Time Received: 01/09/2012 11:45

Site Name: Cal Poly Dairy Farms

R Number: R 92449

Source Name: Winter Forage

Sample Type: Vegetation

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result	± CE	MDA95	<u>Units</u>
N12-0023-001	Harvested 4/1/11	HASL Ga-01-R	Cs-134	0.122	± 0.00311	0.00603	pCi/g
N12-0023-001	Harvested 4/1/11	HASL Ga-01-R	Cs-137	0.177	± 0.00507	0.0137	pCi/g
N12-0023-001	Harvested 4/1/11	HASL Ga-01-R	I-131	0.00517	± 0.00624	0.0174	pCi/g
N12-0023-001	Harvested 4/1/11	HASL Ga-01-R	K-40	6.14	± 0.147	0.228	pCi/g

^{1.} Precision criteria for these methods were determined to be acceptable.

CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0022

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 01/19/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 Phone: 916-440-7940

Site and Sample Information

Collector's Name: Victoria Brandt

Date/Time Collected: 01/06/2012 15:28 Date/Time Received: 01/09/2012 11:45

Site Name: Cal Poly Dairy

Source Name: Corn Silage Sample Type: Vegetation

R Number: R 92448

r Result ± CE MDA<u>95</u>

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result	± CE	MDA95	<u>Units</u>
N12-0022-001	Harvested 9/30/11	HASL Ga-01-R	Cs-134	-0.00124	± 0.00437	0.0157	pCi/g
N12-0022-001	Harvested 9/30/11	HASL Ga-01-R	Cs-137	-0.00829	± 0.00607	0.0160	pCi/g
N12-0022-001	Harvested 9/30/11	HASL Ga-01-R	i-131	0.0202	± 0.00972	0.0285	pCi/g
N12-0022-001	Harvested 9/30/11	HASL Ga-01-R	K-40	2.92	± 0.119	0.365	pCi/g

^{1.} Precision criteria for these methods were determined to be acceptable.

CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors

^{3.} MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

	REQUEST FOR SAMPL	E ANALYSIS (Radi	ochemical)	
	ion Laboratories Branch	Date Rec		Lab No. (Leave Blank)
850 Marina Bay Parkwa Richmond, CA 94804	ay, G164	119112	11:45 1	Y/2-0023
510-620-2911		Date & Time	Sampled	Serial Number
	The second of th	01/06/2012	1528He	R 92449
Collector Information		Reporting Informa	ation	
Name:	Cal Poly Nictoria Brand+	Name:	STEVE HSU CDPH/RHE SACRAMEN	
Dept./Branch: Address:	COPH IRHS	Dept./Branch:	COPHIRH	
Addiess.	Cal Poly Nictoria Brand+ COPH IRH3 SACRAMENTO	Address.		
Telephone No.:	916-324-9437	Telephone No.:	916-445-7	1940
Sample Information	and Pol Dain	Billing Agency		
System Name / Facility: Sampling Point (s):		DWFOB()	RHB RWC	QCB() DTSC
Camping Four (S).	Winter forage	O DWTPB	☐ FDB ☐ DWF	
System No.:	Harvested 4/1/11	□ EMB	☐ Other (Specify)	
TYPE OF SAMPLE (Ch	eck all applicable boxes)			4
Drinking Water	☐ Groundwater	☐ Surface Water	Q. W	/astewater
Raw	☐ Water Treatment Plant (WTP)	Distribution Syst	tem 🛄 P	oint of Use (POU)
☐ Treated (circle one):	Chlorinated / Chloraminated / Chlorine Did	xide / Ozonated / Pe	roxizone / Fluoridate	d / Coagulated / pH Adjusted
☐ Air Filters	Date/Time	☐ Seawater		ludge (Semi-solid Samples)
Finishing:		☐ Milk		StySediment
Starting:		☐ Wipes		
Net (M ³)		☐ Radon Canister		iota (Type): Farage
☐ Air Charcoal Cartridg		- Radon Canister	<u> </u>	ther:
COMMENTS: (Cautions				
	reservatives added:	lced/Frozen:	Other:	
☐ Field Measurement:	mR/hr	☐ Radionuclide(s)	, if known:	and the second second
Rush/Priority (should	be prearranged and have supervisory appr	roval)		
ANALYSIS REQUESTE	D (For questions, please call 510-620-2911)		
Gross Alpha	☐ Gross Bet	î a	Gamma Scan*	
☐ Total Uranium	☐ Total Beta	=	NORM (Gamma	
☐ Total Radium	☐ Tritium (³F		☐ Isotopic Americ	
☐ Radium-226	☐ Carbon-14		☐ Isotopic Plutonii	
☐ Radium-228	□ lodine-131		☐ Isotopic Thorium	
☐ Radon-222	☐ Strontium		☐ Isotopic Uraniur	
Other (Specify);	Nickel-63		☐ Iron-55	
CHAIN OF CUSTODY		The second secon		
1. 1/6/2012	Victoria Branch			01/08/2012
Date /20-9-1528	Name (Print)	(1)	. 1.	Date
Time Custody Received		Signature J	Handy	Time Custody Released
2. 01/08/2017	- Teffren Woon	o igridició	0.122	OI/09/2017
Date	Name (Print)	+ 110	-104 - K	Date 150 15
Time Custody Received	Organization (CO) H/RH2	Signature	17. (2) 17. t	Time Custody Released
3 Hallo	C. PUDER	1 7	7	Time Custody Released
Date //	Name (Print) DY PLB	∕ ₩	D 1 2	Date
Time Custody Received	Organization Dty 1-7 13	Signature	toler -	Time Custody Released
EAROPATORYPEN				HILLE CRISTORY LEIGHSER
LABORATORY REMAR! A. Condition at Time of F	Receipt:			
☐ Acceptable	☐ Broken Container	☐ Leaked in Transit		Improper Container
☐ Holding Time Exce	seded D Sample Not Cooled	 Insufficient Samp 		
B. Preservatives/Carriers				
☐ Added While Sam	pling D Added in Laboratory	☐ Not Added ·	177. 1 0	Not Applicable //-

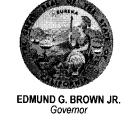
W

REQUEST FOR SAMPI	LE ANALYSIS (Radiochemical)
Sanitation and Radiation Laboratories Branch	Date Received Lab No. (Leave Blank)
850 Marina Bay Parkway, G164	1/9/12 11:45 Ma-022
Richmond, CA 94804 510-620-2911	1/9/12 1:45 Ma - 2022 Date & Time Sampled Serial Number
	01/06/2012 1528He R 92448
Collector Information	Reporting Information
Name: Cal Poly/Victoria Brand +	Name: Steve Hsu
Name: Cal Po y / Victoria Brand + Dept./Branch: CDPH/RHB	Dept./Branch: CDPH /RHB Address: SACCamento
SACRAMENTO	
Telephone No.: 916-324-9437	Telephone No.: 916 - 440-7940
System Name / Facility: Cal Poly Dairy	Billing Agency DWFOB() RHB RWQCB() DTSC 309.
Sampling Point (s): Corn Silage	D DWFOB() X RHB D RWQCB() DTSC 207.
	☐ EMB ☐ Other (Specify)
TYPE OF SAMPLE (Check all applicable boxes)	
☐ Drinking Water ☐ Groundwater ☐ Water Treatment Plant (WTF	☐ Śurface Water ☐ Wastewater P) ☐ Distribution System ☐ Point of Use (POU)
	ploxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted
Air Filters Date/Time	
Finishing:	— Judgo (John John John John John John John John
	☐ Milk ☐ Soil/Sediment
Starting:	Wipes Biota (Type): Corn Silag
Net (M³)	☐ Radon Canister ☐ Other:
Air Charcoal Cartridge	
COMMENTS: (Cautions, etc.):	
Field Treatment: Preservatives added:	lced/Frozen: Other:
Field Measurement:mR/hr	☐ Radionuclide(s), if known:
Rush/Priority (should be prearranged and have supervisory ap	proval)
ANALYSIS REQUESTED (For questions, please call 510-620-291	11)
☐ Gross Alpha ☐ Gross Be	eta Gamma Scan
☐ Total Uranium ☐ Total Bet	
☐ Total Radium	
Radium-226	
Radium-228	
Radon-222 ☐ Strontiun	
Other (Specify); Nickel-63	3 Iron-55
HAIN OF CUSTODY	K. 1. 2. 12 , 0.11,9
Date 2012 Victoria Brandt	01/08/2012
1528 COPH RHB RAU	Chickonal Bland Pate 1941 Has
Time Custody Received Organization	Signature Time Custody Released
Date Name (Print)	Date Date
1941 40 CDD1/04B	Jun William Date
Time Custody Received Organization	Signature Time Custody Released
Date 19112 Name (Print)	
11'45 DWELB	Date
Time Custody Received Organization	Signature Time Custody Released
ABORATORY REMARKS (Leave Blank)	
. Condition at Time of Receipt: /	
Acceptable Broken Container Helding Time Exceeded Sample Not Cooled	☐ Leaked in Transit ☐ / Improper Container ☐ Insufficient Sample
Preservatives/Carriers:	LY
Q Added While Sampling Q Added in Laboratory	↓ / □ Not Applicable



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0093

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 03/02/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 Phone: 916-440-7940

Site and Sample Information

Collector's Name: Tom Hook

Date/Time Collected: 02/06/2012 10:15 Date/Time Received: 02/07/2012 11:00

Site Name: Diablo Canyon NPP

Source Name: Biota / 1st Qtr 2012

R Number: R 92655

Sample Type: Vegetation

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result ± CE	MDA95	<u>Units</u>
N12-0093-001	Vegetation	HASL Ga-01-R	Dry Wt./Wet Wt.	0.151 ±		
N12-0093-001	Vegetation	HASL Ga-01-R	K-40	20.8 ± 0.491	0.675	pCi/g dry wt

Precision criteria for these methods were determined to be acceptable.

CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

Sanitation and Radiation		LE ANALYSIS (Radioct		
850 Marina Bay Parkway,	n Laboratories Branch	Date Receive		Lab No. (Leave Blank)
Richmond, CA 94804	3104	271/2	5 N	12-0093
510-620-2911		Date & Time Sar		Serial Number
		2-6-12	10.15	R 92655
Collector Information Name:		Reporting Information	rito	
Dept./Branch:	t/+H	Name: Dept./Branch:		
Address:	7 CF	Address:		
Telephone No.:		Telephone No.:	<u>a</u>	
Sample Information System Name / Facility:	DCPP REMP/761	Billing Agency	,	
Sampling Point (s):	N. 11 KEM / 461		RHB D RWQ	
		The state of the s	FDB DWR Other (Specify)	
System No.:			Other (Opecity) _	
YPE OF SAMPLE (Chec	k all applicable boxes)			
Drinking Water	Groundwater	☐ Surface Water	□ w	astewater
Raw	☐ Water Treatment Plant (WTI			oint of Use (POU)
i rreated (circle one): C	hlorinated / Chloraminated / Chlorine D	loxide / Ozonated / Peroxi	zone / Fluoridated	/ Coagulated / pH Adjuste
Air Filters	Date/Time	☐ Seawater	□ SI	udge (Semi-solid Samples)
Finishing:		☐ Milk		il/Sediment
Starting:		☐ Wipes		ota (Type): <u>Vo gelali</u>
Net (M ³)	•	☐ Radon Canister		her:
Air Charcoal Cartridge		- readon Camater	4 0	nei
	A CONTRACTOR OF THE CONTRACTOR			
OMMENTS: (Cautions, e	etc.):			
Field Treatment: Pre	servatives added:	lced/Frozen:	Other: _	
Field Measurement:	mR/hr	☐ Radionuclide(s), if k		
Rush/Priority (should be	e prearranged and have supervisory ap	proval)		
NALYSIS REQUESTED	(For questions, please call 510-620-29	! 1)		
NALYSIS REQUESTED (Gross Alpha	(For questions, please call 510-620-291		Gamma Scan	
	☐ Gross Bo	eta 🗅	Gamma Scan	
Gross Alpha Total Uranium	☐ Gross Bo☐ Total Be	eta 🔲	NORM (Gamma	
Gross Alpha Total Uranium	☐ Gross Bo☐ Total Be☐ Tritium (eta 🔲 ta (LSC) 📮 BH) 📮	NORM (Gamma Isotopic Americia	ım / Curium
Gross Alpha Total Uranium Total Radium Radium-226	☐ Gross Bo☐ Total Be☐ Tritium (☐ Carbon-	eta ta (LSC) 3H) 14	NORM (Gamma Isotopic Americia Isotopic Plutoniu	um / Curium m
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228	☐ Gross Bo☐ Total Be☐ Tritium (☐ Carbon-13	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium	um / Curium m
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Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify);	☐ Gross Bo☐ Total Be☐ Tritium (☐ Carbon-13	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium	um / Curium m
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify);	☐ Gross Bo☐ Total Be☐ Tritium (☐ Carbon-☐ lodine-13☐ Strontium ☐ Nickel-63☐	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	um / Curium m
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify);	☐ Gross Bo ☐ Total Be ☐ Tritium (☐ ☐ Carbon-13 ☐ lodine-13	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	um / Curium m
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date	Gross Bo Total Be Tritium (Carbon- lodine-13 Strontium Nickel-63	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	um / Curium m
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Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date Time Custody Received Date Time Custody Received	Gross Be Total Be Tritium (eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); Date Time Custody Received Date	☐ Gross Be☐ Total Be☐ Tritium (☐ Carbon-Iodine-13☐ Strontium ☐ Nickel-63☐ Name (Print)☐ Organization☐ Name (Print)☐ Organization☐ ☐ Name (Print)☐ ☐ Name (Print)☐ ☐ Name (Print)☐ ☐ Name (Print)☐ ☐ Organization ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date Time Custody Released
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date Time Custody Received Date Time Custody Received	☐ Gross Be☐ Total Be☐ Tritium (☐ Carbon-☐ lodine-1:☐ Strontium ☐ Nickel-6:☐ Name (Print) ☐ Organization ☐ Name (Print) ☐ Carbon-☐ ☐ Name (Print) ☐ Organization ☐ Name (Print) ☐ Organization ☐ Organiza	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date Time Custody Received Date Time Custody Received 2-2-12 Date	☐ Gross Be☐ Total Be☐ Tritium (☐ Carbon-Iodine-13☐ Strontium ☐ Nickel-63☐ Name (Print)☐ Organization☐ Name (Print)☐ Organization☐ ☐ Name (Print)☐ ☐ Name (Print)☐ ☐ Name (Print)☐ ☐ Name (Print)☐ ☐ Organization ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	eta	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date Time Custody Released Date
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date Time Custody Received Date Time Custody Received 2-7-12 Date Time Custody Received	□ Gross Be □ Total Be □ Tritium (□ Carbon- □ lodine-13 □ Strontium □ Nickel-63 Name (Print) Organization Name (Print) Organization Name (Print) Organization Organization	Signature Signature	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date Time Custody Released
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date Time Custody Received Date Time Custody Received Date Time Custody Received Date Time Custody Received Date Time Custody Received Date Time Custody Received Date Time Custody Received Date Time Custody Received RECEIVED	□ Gross Bo □ Total Be □ Tritium (□ Carbon- □ lodine-1: □ Strontium □ Nickel-6: Name (Print) Organization Name (Print) Organization Name (Print) Organization Organization Name (Print)	Signature	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date Time Custody Released Date
Gross Alpha Total Uranium Total Radium Radium-226 Radium-228 Radon-222 Other (Specify); HAIN OF CUSTODY Date Time Custody Received Date Time Custody Received Date) ()) Time Custody Received	☐ Gross Be☐ Total Be☐ Tritium (☐ Carbon-☐ lodine-1:☐ Strontium ☐ Nickel-6:☐ Name (Print) ☐ Organization ☐ Name (Print) ☐ Organization ☐ Name (Print) ☐ Organization ☐ DURGE ☐ ☐ Broken Container	Signature Signature	NORM (Gamma Isotopic Americia Isotopic Plutoniu Isotopic Thorium Isotopic Uranium	Date Time Custody Released Date Time Custody Released Date



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0758

Collector:

Rick Treinen

RHB

Requestor: Roger Lupo

RHB

PO Box 56 Avila Beach

CA 93424 CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento

95814-5006

Phone Number: 805-545-6481

CA

Phone Number: 916-440-7955

Site/Project Name: Diablo Canoyon NPP / Milk / December 2012

System No:

Billing Agency: RHB

Samples Received by Lab: 12/11/2012

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 12-0758-01	Sample ID: R 92367 Sample Type: Milk	Time Collected: 12/10/2012 07:30	Sampling Point:	Cal Poly Dairy Farms
I-131	EPA 901.1	0.272 +/- 0.864	2.40	pCi/L
K-40	EPA 901.1	1270 +/- 27.9	27.9	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

Lab 803 (11/07)

Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164 Richmond, CA 94804	Date Received Lab No. (Leave Blank) 12/10/12 0730 15-0758
510-620-2911	Date & Time Sampled Serial Number
	12-11-12 R 92367
Collector Information Name: Dick Treinen Dept./Branch: ABox 56 Address: Avila Beach, CA 93424	Reporting Information Name: Dept./Branch:
Address: Avila Beach, CA 93424	Address:
Telephone No.: 805-545-6481	Telephone No.:
Sample Information	Billing Agency
System Name / Facility: CAL POLY DAIRY Sampling Point (s):	DWFOB() RHB RWQCB() DTSC
System No.: 5F21	DWTPB DWR CDFG CDFG CDFG CDFG
YPE OF SAMPLE (Check all applicable boxes)	
Drinking Water Groundwater Water Treatment Plant (WT	Surface Water Wastewater Distribution System Point of Use (POU)
I Treated (circle one): Chlorinated / Chloraminated / Chlorine D	Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjuste
Air Filters Date/Time	☐ Seawater ☐ Sludge (Semi-solid Samples)
Finishing:	Milk Soil/Sediment
Starting:	☐ Wipes ☐ Biota (Type):
Net (M ³)	D. Bodon Conjeten
Air Charcoal Cartridge	Other:
01417170 (0 1 1 1 1 1 1 1	
OMMENTS: (Cautions etc.)	the state of the s
Field Treatment: Preservatives added: Formuldahyde	Iced/Frozen: Other:
Field Measurement:mR/hr	Radionuclide(s), if known:
Rush/Priority (should be prearranged and have supervisory ap	pproval)
NALYSIS REQUESTED (For questions, please call 510-620-29)11)
Gross Alpin	Beta Gamma Scan
Total Uranium 🚨 Total Be	eta (LSC)
Total Radium	
Radium-226	
Radium-228	
Radon-222	
Other (Specify);	
12/10/12 Victo Trainen	12/10/12
	12/10/12 Date 1200
iololo Vich Trainen	Date 1700
12/10/12 Kick Trainen Name (Print) 0730 PG F	Date 1700 Time Custody Released
Date Name (Print) Time Custody Received Organization	Date 1700 Time Custody Released Date
Date Name (Print) Date Name (Print) Time Custody Received Organization Organization Organization Organization Organization Organization	Date 700 Time Custody Released Date Time Custody Released Time Custody Released
Date Date Name (Print) Organization Date Name (Print) Organization Name (Print) Name (Print) Organization Name (Print) Organization Name (Print)	Date 1700 Time Custody Released Date
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Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0619

Collector:

Orlando Sabi

PG&E

Requestor: Roger Lupo

RHB

P.O Box 56

93424

CDPH - RHB, 1500 Capitol Av., MS 7610 CA

Avila Beach CA

Sacramento

95814-5006

Phone Number: 805-545-4415

Phone Number: 916-440-7955

Site/Project Name: Diablo Canoyon NPP / November 2012

System No:

Billing Agency: RHB

Samples Received by Lab: 11/21/2012

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 12-0619-01	Sample ID: R 92291 Sample Type: Milk	Time Collected: 11/19/2012 09:15	Sampling Point:	Cal Poly Dairy Farms
I-131	EPA 901.1	0.247 +/- 0.557	1.54	pCi/L
K-40	EPA 901.1	1240 +/- 27.2	27.6	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	REQUEST FOR SAMPLE	E ANALYSIS (Radiochemical)	
Sanitation and Radiation	Laboratories Branch	Date Received	Lab No. (Leave Blank)
850 Marina Bay Parkway,	G164	11-21-12	112-0619
Richmond, CA 94804 510-620-2911		Date & Time Sampled	Serial Number
310-020-2911		11/19/12 0915	(R 92291
Collector Information		Reporting Information	R 92291
Name: A Jacquan	S131	Name:	
Dept./Branch: P.O. 7	0x56	Dept./Branch:	
Address: AVILABEA	30x56 30x56 30x,CA. 93428	Address:	
Telephone No. (80 dsc)	- 41111	Telephone No.:	
Sample Information	5-7-7/5	Billing Agency	
System Name / Facility:	Car Pary		RWQCB() DTSC
Sampling Point (s):	ALION		OWR CDFG
System No.:	DAIRY 5F2		cify)
			
YPE OF SAMPLE (Check			
Drinking Water Raw	Groundwater Water Treatment Plant (ACTD)	Surface Water	2 Wastewater
The state of the s	Water Treatment Plant (WTP)	vide / Ozeneted / Deservi	Point of Use (POU)
	hlorinated / Chloraminated / Chlorine Dio	viue / Ozonated / Peroxizone / Fluori	gated / Coagulated / pH Adjusted
Air Filters	Date/Time	☐ Seawater	Sludge (Semi-solid Samples)
Finishing:		and the same of th	Soil/Sediment
Starting:			Biota (Type):
Net (M ³)		2007.	
Air Charcoal Cartridge		Radon Canister	Other:
- 7 III Ondroodi Cartilage			
OMMENTS: (Cautions, e	tc.);		
Field Treatment: Pres	servatives added: Formats Hoc		er:
Field Measurement:	mR/hr	Radionuclide(s), if known:	
	prearranged and have supervisory appr	orali	
	For questions, please call 510-620-2911		
Gross Alpha	☐ Gross Beta		an
Total Uranium	☐ Total Beta		mma)
Total Radium	☐ Tritium (³ H) Tsotopic Am	ericium / Curium
Radium-226	☐ Carbon-14		tonium
Radium-228	☐ lodine-131	☐ Isotopic The	
Radon-222	☐ Strontium-	89, 90 🚨 Isotopic Ura	
Other (Specify);	Nickel-63	☐ Iron-55	
HAIN OF CUSTODY		No.	
11/19/12	CALAND SARI		11/19/12
Date / 09/5	Name (Print)	MADAN	Date 102.11/19/12
Time Custody Received	PG- & E Organization	Signatur	1700 0915
	- Andrews	Signature	Time Custody Released
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	organization i i A	Signature	Time Custody Released
Date W	Name (Print)		Date
Time Curlet HAD	DURCB		Date
Time Custodý Reseived	Organization DVV N	Signature	Time Custody Released
BORATORY REMARKS	(Leave Blank) \angle 0.01	MR/KIR	
Condition at Time of Reci	eipt: = UV	/ P(1)	
☐ Acceptable ☐ Holding Time Exceeds	Broken Container Sample Not Cooled	☐ Leaked in Transit	☐ Improper Container
	- Giriple Not Cooled	Insufficient Sample	1950 A
Preservatives/Carriers:	Added in Laboratory		er e
	s → Augu Ri Laburatory	☐ Not Added	The Alast American Line



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0508

Collector:

System No:

Tom Hook

RHB

Requestor: Roger Lupo

RHB

P O Box 56 Avila Beach

CA 93424 CDPH - RHB, 1500 Capitol Av., MS 7610

CA

Sacramento Phone Number: 916-440-7955

95814-5006

Phone Number: 805-545-4409

Site/Project Name: Diablo Canoyon NPP / Milk / October 2012

Billing Agency: RHB

Samples Received by Lab: 10/10/2012

Parameter	Method	Result +/- CE	M	I DA 95	Units
Lab No: 12-0508-01	Sample ID: R 92161 Sample Type: Milk	Time Collected: 10/9/2012	07:30	Sampling Point:	Cal Poly Dairy Farms
I-131	EPA 901.1	-0.0141 +/- 0.895		2.47	pCi/L
K-40	EPA 901.1	1330 +/- 29.0		29.3	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

REQUEST FOR SA	AMPLE ANALYSIS (Radiochemical)
Sanitation and Radiation Laboratories Branch	Date Received Lab No. (Leave Blank)
850 Marina Bay Parkway, G164 Richmond, CA 94804	10-10-12 12-0508
1510-620-2911	/ Date & Time Sampled SeriaL Number
	10/9/12 0730 R 92161
Collector Information ,	Reporting Information
Name: From Hook	Name:
Dept./Branch: Dex 56	Dept./Branch: Address:
Address: Avila Beach, CA 93424	induiess.
Telephone No.: 805-545-44-09	Telephone No.:
Sample Information	Billing Agency
System Name / Facility: Cal (O(Y))ary y Sampling Point (s):	DWFOB() RHB RWQCB() DTSC
CY2	DWTPB DFDB DWR DDFG DEMB DOther (Specify)
System No.: 7 7 2	EMB Other (Specify)
TYPE QF SAMPLE (Check all applicable boxes)	
Drinking Water , Groundwater	☐ Surface Water ☐ Wastewater
☐ Raw ☐ Water Treatment Plant	t (WTP) Distribution System Point of Use (POU)
☐ Treated (circle one): Chlorinated / Chloraminated / Chlor	rine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted
☐ Air Filters Date/Time	☐ Seawater ☐ Sludge (Semi-solid Samples)
Finishing:	Milk Soil/Sediment
Starting:	
Net (M³)	
☐ Air Charcoal Cartridge	Radon Canister
a An Onaiceal Centinge	
COMMENTS: (Cautions, etc.):	
Field Treatment: Preservatives added: Formaldo	ced/Frozen: Other:
☐ Field Measurement: mR/hr	Radionuclide(s), if known:
Rush/Priority (should be prearranged and have supervisor	
ANALYSIS REQUESTED (For questions, please call 510-62	20.20113
	OSS Beta GOV
	tal Beta (LSC) NORM (Gamma) U Isotopic Americium / Curium
	7
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	ckel-63 □ Iron-55
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Date Name (Print)	Date
Time Custody Received Organization	
Time Custody Received Organization	Signature Time Custody Released
Date Name (Print)	Date
Time Custody Received Organization	2 / / ulmia/// - alli-
	Signature Time Custody Released
ABORATORY REMARKS (Leave Blank)	CO.OIMR/HR
. Condition at Time of Receipt: □ Acceptable □ Broken Container	
☐ Holding Time Exceeded ☐ Sample Not Cooled	☐ Leaked in Transit ☐ Improper Container ☐ Insufficient Sample
. Preservatives/Carriers:	
☐ Added While Sampling ☐ Added in Laboratory	☐ Not Added ☐ Not Applicable



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0457

Collector:

Tom Hook

RHB

Requestor: Roger Lupo

RHB

P O Box 56

CA

CDPH - RHB, 1500 Capitol Av., MS 7610

Avila Beach

93424

Sacramento CA 95814-5006

Phone Number: 805-545-4409

Phone Number: 916-440-7955

Site/Project Name: Diablo Canoyon NPP / Milk / September 2012

System No:

Billing Agency: RHB

Samples Received by Lab: 9/18/2012

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 12-0457-01	Sample ID: R 92267 Sample Type: Milk	Time Collected: 9/17/2012	09:00 Sampling Poin	t: Cal Poly Dairy Farms
I-131	EPA 901.1	0.386 +/- 0.515	1.43	pCi/L
K-40	EPA 901.1	1270 +/- 27.8	27.5	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

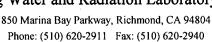
⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	MINAL I 313 (Naulochellilical)	<u> </u>
Sanitation and Radiation Laboratories Branch	Date Received	Lab No. (Leave Blank)
850 Marina Bay Parkway, G164	1 14-12	17 0457
Richmond, CA 94804	Date & Time Sampled	Serial Number
510-620-2911	9/17/12 0900	R 92267
Collector Information	Reporting Information	
Name: Tom Hook	Name:	
Dept./Branch: 60 Box 56	Dept./Branch:	
Name: Ton Hook Dept./Branch: 60 Box 56 Address: Avila Beach, CA 93424	Address:	
Telephone No.: 805-545-4409	Telephone No.:	
Sample Information System Name / Facility: Cal Poly Dairy	Billing Agency	
System Name / Facility: Cal Poly Dairy Sampling Point (s):	DWFOB() RHB RWQ	
	DWTPB DFDB DWR DEMB DOther (Specify)	
System No.: 5F4	a cuter (opecity)	
TYPE OF SAMPLE (Check all applicable boxes)		
☐ Drinking Water ☐ Groundwater	☐ Surface Water ☐ W	astewater
☐ Raw ☐ Water Treatment Plant (WTP)	Distribution SystemPolymer	pint of Use (POU)
☐ Treated (circle one): Chlorinated / Chloraminated / Chlorine Did	oxide / Ozonated / Peroxizone / Fluoridated	/ Coagulated / pH Adjusted
☐ Air Filters Date/Time	☐ Seawater ☐ SI	udge (Semi-solid Samples)
Finishing:	And the second s	oil/Sediment
Starting:		
Net (M³)	34.	ota (Type):
	Radon Canister	her:
☐ Air Charcoal Cartridge		
COMMENTS: (Cautions, etc.):		
Field Treatment. Preservatives added: Farmaldalipe	Noed/Frozen: Other	का प्रश्न का सम्बद्धिक क्षेत्र के स्वतिक का स्वतिक क्षेत्र का स्वतिक क्षेत्र के स्वतिक क्षेत्र के स्वतिक क्षेत्र स्वतिक स्वतिक क्षेत्र के स्वतिक स
☐ Field Measurement:mR/hr	Radionuclide(s), if known:	
☐ Rush/Priority (should be prearranged and have supervisory app		
ANALYSIS REQUESTED (For questions, please call 510-620-2911		
☐ Gross Alpha ☐ Gross Bet	a Gamma Scan	
☐ Total Uranium ☐ Total Beta	(LSC) UNORM (Gamma)
☐ Total Radium ☐ Tritium (³)	f) Isotopic Americi	um / Curium
☐ Radium-226 ☐ Carbon-14	☐ Isotopic Plutoniu	ım
☐ Radium-228 ☐ lodine-131	☐ Isotopic Thorium	
☐ Radon-222* ☐ Strontium-		
☐ Other (Specify); ☐ Nickel-63	☐ Iron-55	
CHAIN OF, CUSTODY A. I		
1. 9/17/12 /CICL VEINEN	006/)	9/17/12
	1/1/M1//	Date
Time Custody Received Organization Organization	Signature	1700 Time Custody Released
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Date Name (Print)		Date
Time Custody Received Organization	Signature	Time Custody Released
LABORATORY REMARKS (Leave Blank)		
A. Condition at Time of Receipt:		
Acceptable Broken Container Holding Time Eugendad	☐ Leaked in Transit ☐	Improper Container
☐ Holding Time Exceeded ☐ Sample Not Cooled	☐ Insufficient Sample	
B. Preservatives/Carriers:		
☐ Added While Sampling ☐ Added in Laboratory	□ Not Added □	Not Applicable



Drinking Water and Radiation Laboratory Branch





FINAL Analysis Results Report for Task ID. 12-0592

Collector:

Gary Smits

RHB

CA

Site/Project Name: Rumiano Cheese / Milk / 3rd Qtr 2012

Requestor: Roger Lupo

RHB

Lab 511 , 9th St Crescent City

CDPH - RHB, 1500 Capitol Av., MS 7610

95531

CA 95814-5006

Sacramento

Phone Number: 916-440-7955

Phone Number:

System No:

Billing Agency: RHB

Samples Received by Lab: 11/6/2012

Parameter	Method	Result +/- CE	N	1DA 95	Units
Lab No: 12-0592-01	Sample ID: R 92343 Sample Type: Milk	Time Collected: 11/5/2012	11:00	Sampling Point:	Rumiano Chesse
K-40	EPA 901.1	1240 +/- 30.0	-	37.0	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

REQUEST FOR SAMPLE ANALYSIS (Radiochemical) **Date Received** Sanitation and Radiation Laboratories Branch Lab No. (Leave Blank) 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911 Collector Information Reporting Information Name: GARYSMITS Dept./Branch: Name: Dept./Branch: Address: Address: Telephone No.: 707 4/65 Telephone No.: Sample Information **Billing Agency** System Name / Facility: RUMIANO Chesse Co DWFOB() □ RHB ☐ RWQCB() Sampling Point (s): DWTPB ☐ FDB DWR ☐ CDFG FARD PICK UP System 180. 4 ☐ EMB Other (Specify) TYPE OF SAMPLE (Check all applicable boxes) Drinking Water Raw Groundwater Surface Water Wastewater ☐ Water Treatment Plant (WTP) ☐ Distribution System ☐ Point of Use (POU) Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted ☐ Air Filters Date/Time Seawater ☐ Sludge (Semi-solid Samples) Finishing: Milk □ Soil/Sediment Starting: Wipes ☐ Biota (Type): __ Net (M³) Radon Canister Other: Air Charcoal Cartridge COMMENTS: (Cautions, etc.): ☐ Field Treatment: Preservatives added: ced/Frozen: Other: ☐ Field Measurement: mR/hr Radionuclide(s), if known: Rush/Priority (should be prearranged and have supervisory appropal) ANALYSIS REQUESTED (For questions, please call 510-620-2911) Gross Alpha ☐ Gross Beta ☐ Gamma Scan □ Total Uranium ☐ Total Beta (LSC) ■ NORM (Gamma) □ Total Radium ☐ Tritium (³H) ☐ Isotopic Americium / Curium □ Radium-226 □ Carbon-14 Isotopic Plutonium ☐ Radium-228 ☐ lodine-131 ☐ Isotopic Thorium ☐ Radon-222 ☐ Strontium-89, 90 ☐ Isotopic Uranium Other (Specify); ☐ Nickel-63 Iron-55 CHAIN OF CUSTODY Date ODAM Time Custody Received Time Custody 2. Date Name (Print) Date **Time Custody Received** Organization Signature Time Custody Released Date | {-Name (Print) Date Time Custody Received Organization Time Custody Released LABORATORY REMARKS (Leave Blank) Condition at Time of Receipt: Acceptable **Broken Container** Leaked in Transit Improper Container Holding Time Exceeded Sample Not Cooled Insufficient Sample

Not Added

Not Applicable

Preservatives/Carriers: Added While Sampling

Added in Laboratory



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0593

Collector:

Chris Christensen

RHB

Requestor: Roger Lupo

RHB

CA

Sacramento

CDPH - RHB, 1500 Capitol Av., MS 7610

CA 95814-5006

Phone Number: 707-299-8761

Site/Project Name: Humboldt Creamery / Milk / 3rd Qtr 2012

System No:

Billing Agency: RHB

Samples Received by Lab: 11/6/2012

Phone Number: 916-440-7955

Parameter Method Result +/- CE MDA 95 Units Lab No: 12-0593-01 Sample ID: R 92342 Time Collected: 11/5/2012 07:20 Sampling Point: Humboldt Sample Type: Milk Creamery K-40 EPA 901.1 1220 +/- 33.4 58.4 pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

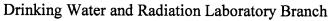
⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	SAMPLE ANALYS	SIS (Radiochemical)	
Sanitation and Radiation Laboratories Branch		Date Received	Lab No. (Leave Blank)
850 Marina Bay Parkway, G164		11-15-12	112-0593
Richmond, CA 94804 510-620-2911	_ D	ate & Time Sampled	Serial Number
010-020-2011	11-5.	12 1720	R 92342
Collector Information	Reportir	g Information	
Name: Chris Christensen	Name:	Milk + Dairy Fo	of Safety Branch
Dont /Bronch:	Dept./Bra Address	1220 N	5 heat
Address: 231 Annahy D-	nuuress.	Sucramer	T6
Telephone No.: 707 - 277 - 8769	Telephor	ne No.:	75814
	Billing A		
System Name / Facility: Humboldt Creamery Sampling Point (s): 572 Highway	O DWF	OB() 🖸 RHB 📮	
			DWR CDFG
System No.: Forthwa CA 95540	U EMB	☐ Other (Spe	ecify)
TYPE OF SAMPLE (Check all applicable boxes)			
☐ Drinking Water ☐ Groundwater	🗴 Surfa	ce Water	☐ Wastewater
☐ Raw ☐ Water Treatment Pla	M 3/2		☐ Point of Use (POU)
☐ Treated (circle one): Chlorinated / Chloraminated / Ch	orine Dioxide / Ozo	nated / Peroxizone / Fluo	ridated / Coagulated / pH Adjusted
☐ Air Filters Date/Time	D Seaw	ater	☐ Sludge (Semi-solid Samples)
Finishing:	Milk		□ Soil/Sediment
Starting:	Wipes		
			Biota (Type):
Net (M³)	Radoi	n Canister	Other:
☐ Air Charcoal Cartridge			
COMMENTS: (Cautions, etc.):			and the second s
☐ Field Treatment: Preservatives added:		en: O	ther:
☐ Field Measurement:mR/hi	∂ 🗀 Radio	nuclide(s), if known:	A Section 1
Rush/Priority (should be prearranged and have supervi	sory approval)		
ANALYSIS REQUESTED (For questions, please call 510-	620-2911)		
	Pross Beta	☐ Gamma S	Scan
	otal Beta (LSC)	☐ NORM (G	
	ritium (³ H)		mericium / Curium
	arbon-14	☐ Isotopic P	
	odine-131	☐ Isotopic T	
	trontium-89, 90	☐ Isotopic U	
	lickel-63	☐ Iron-55	riamum .
	iickei-oo	U 11011-00	
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Time Custody Received Organization	Signature		/ Time Custody Released
Date Name (Print)		19-1-11	Date
= 10:30 DINP	15(VMpyo, "VI)	46
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LABORATORY REMARKS (Leave Blank)			
A. Condition at Time of Receipt: Broken Container Broken Container	□ Leak	ed in Transit	D 1
☐ Holding Time Exceeded ☐ Sample Not Coole		eo in Transit ficient Sample	☐ Improper Container
B. Preservatives/Carriers;			
D. Arded While Sampling D. Added in Laborato	n Nat	dded	D MALAGERY AND THE STREET



State of California - Health and Human Services Agency

California Department of Public Health



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0337

Collector:

Chris Christensen

RHB

Requestor: Roger Lupo

RHB

CA

Phone Number: 707-299-8761

CDPH - RHB, 1500 Capitol Av., MS 7610 Sacramento

95814-5006

Phone Number: 916-440-7955

CA

Site/Project Name: Humboldt Creamery / 3rd Qtr Milk

System No:

Billing Agency: RHB

Samples Received by Lab: 8/10/2012

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 12-0337-01	Sample ID: R 92162 Sample Type: Milk	Time Collected: 8/8/2012	10:00 Sampling Poin	t: Humboldt Creamery
K-40	EPA 901.1	1300 +/- 28.8		pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	PLE ANALYSIS (Radiochemical)	하는 사람이 없는데 있다면 하고 이렇지?
Sanitation and Radiation Laboratories Branch	Date Received	Lab No. (Leave Blank)
850 Marina Bay Parkway, G164 Richmond, CA 94804	8-10-12	12-0223
510-620-2911	Date & Time Sampled	Serial Number
	8-8-12 1000	R 92162
Collector Information	Penarting Information	
Name: Christensen	Name: Milk & Dany F	old Sifty Branch
Dept./Branch:	Dept./Branch: 1220 N 5	heer
231 Arnahy Dr	Name: Milk a Dainy F Dept./Branch: 1220 N S Address: Sacramento	CA 95814
Dept./Branch: Address: 23: Arrahy & Telephone No.: Arrahy & Telephone No.: Arrahy & Telephone No.: The state of the state	1 elephone No.:	,30
Sample Information	Billing Agency	
System Name / Facility: Humboldt Creament	DWFOB() RHB	RWQCB() DTSC
572 Highway	DWTPB FDB C	DWR CDFG
System No.: Fortuga CA 95540	a civile (Spe	ecify)
TYPE OF SAMPLE (Check all applicable boxes)		
☐ Drinking Water ☐ Groundwater	Surface Water	☐ Wastewater
☐ Raw ☐ Water Treatment Plant (WT	P) 🚨 Distribution System	☐ Point of Use (POU)
☐ Treated (circle one): Chlorinated / Chloraminated / Chlorine [Dioxide / Ozonated / Peroxizone / Fluo	ridated / Coagulated / pH Adjusted
☐ Air Filters Date/Time	Seawater	
Finishing:	Milk	☐ Sludge (Semi-solid Samples)
		☐ Soil/Sediment
Starting: Net (M³)	Wipes	☐ Biota (Type):
	Radon Canister	Other:
Air Charcoal Cartridge		
COMMENTS: (Cautions, etc.):		and the second s
☐ Field Treatment: Preservatives added:	Íced/Frózen: O	ther:
☐ Field Measurement:mR//nr	Radionuclide(s), if known:	
Rush/Priority (should be prearranged and have supervisory ar	poroval)	
ANALYSIS REQUESTED (For questions, please call 510-620-29		
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	Signature	Time Custody Released
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1015 Milk & Daing Food Safety	Chick-t	
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Date Name (Print)		Date
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Time Custody Received Organization	Signature	Time Custody Released
ABORATORY REMARKS (Leave Blank) $\succeq 0.0$	IMR/HR	
. Condition at Time of Receipt: U. U. Acceptable D. Broken Container		
U Holding Time Exceeded U Sample Not Cooled	☐ Leaked in Transit☐ Insufficient Sample	Improper Container
. Preservatives/Carriers:		
☐ Added While Sampling ☐ Added in Laboratory	D Not Added	□ Not Applicable · · ·



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0329

Collector:

Gary Smits

RHB

Requestor: Roger Lupo

RHB

Lab 511, 9th St

CDPH - RHB, 1500 Capitol Av., MS 7610

Crescent City CA

Sacramento

CA 95814-5006

Phone Number:

95531

Phone Number: 916-440-7955

Site/Project Name: Rumiano Cheese / 3rd Qtr 2012 Milk

System No:

Billing Agency: RHB

Samples Received by Lab: 8/7/2012

Parameter Method Result +/- CE **MDA** 95 Units Lab No: 12-0329-01 R 92159 Sample ID: Time Collected: 8/6/2012 08:49 Sampling Point: Rumiano Cheese Sample Type: Milk K-40 EPA 901.1 1330 +/- 31.2 45.9 pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

REQUEST FOR SAMI	PLE ANALYSIS (Radiochemical)	17 0329
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164	Date Received	Lab No. (Léave Blank)
Richmond, CA 94804	410	
510-620-2911	Date & Time Sampled	Serial Number
	4 1 10 CV/10	R 92159 /
Collector Information	Reporting Information	I K SEISS 9
Name: GARY SMITS	Name:	
Dept./Branch: LAB	Dept./Branch:	
Address: 5119Th Crescent City C.A. 9531	Address:	
Telephone No.:	Telephone No.:	
Sample Information	Billing Agency	
System Name / Facility: Rumino Cheese Co	DWFOB() DRHB	DWOCD () DIDTOO
Sampling Point (s): FARM PICK YP	DWTPB D PDB D	RWQCB() D/DTSC DWB D-CDFG
	☐ EMB ☐ Other (Spec	cify)
System No.: LOAD #		
TYPE OF SAMPLE (Check all applicable boxes)		
☐ Drinking Water ☐ Groundwater	Surface Water	2 Wastewater
Raw Water Treatment Plant (W)	P) 31 10 stribution System	Point of Use (POU)
Treated (circle one): Chlorinated / Chloraminated / Chlorine I	Dioxide / Ozonated / Peroxizone / Fluori	dated / Coagulated / pH Adjusted
☐ Air Filters Date/Time		······································
Finishing:		Sludge (Semi-solid Samples)
Starting:		☐ Soil/Sediment
	□ Wipes [Biota (Type):
Net (M³)		1 Other:
Air Charcoal Cartridge		
COMMENTS: (Cautions, etc.):		
☐ Field Treatment: Preservatives added:		The state of the s
	ced/Frozen: Ott	ner:
Field Measurement: mR/hr	Radionuclide(s), if known:	
Rush/Priority (should be prearranged and have supervisory ap	oproval)	
ANALYSIS REQUESTED (For questions, please call 510-620-29	71 5	
☐ Gross Alpha ☐ Gross B		
	3	· · · · · · · · · · · · · · · · · · ·
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Calbon-	— 100topio i id	
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Radon-222	m-89, 90 🔲 Isotopic Ura	ınium
Other (Specify); Nickel-6:	3 🚨 Iron-55	
CHAIN OF CUSTODY		
1 8-3-12 (5HRY SMITS		8-6-12
Date Name (Print) 3:00 Pm Rum (Print)		Date
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Date 4-7-12 Name (Print)	19-A-00/	Date
\sim 0.10	- Caloria Mill	, Date
Time Custody Received Organization	Signature	Time Custody Released
LABORATORY REMARKS (Leave Blank)		
A. Condition at Time of Receipt:	The second of the second of the second	
☐ Acceptable ☐ Broken Container ☐ Holding Time Exceeded ☐ Sample Not Cooled	D Leaked in Transit , >	☐ Improper Container
	□ Insufficient Sample	
B. Preservatives/Carriers:	$oldsymbol{i}_{i}$	
Added While Sampling	Not Added ()	Not Applicable
Lab 803 (11/07)		



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0328

Collector:

Tom Hook

RHB

Requestor: Roger Lupo

RHB

P O Box 56

CA

CDPH - RHB, 1500 Capitol Av., MS 7610

CA

Avila Beach 93424

Sacramento

95814-5006

Phone Number: 805-545-4409

Billing Agency: RHB

Phone Number: 916-440-7955

System No:

Site/Project Name: Diablo Canyon NPP / Milk / August 2012

Samples Received by Lab: 8/7/2012

Task ID: 12-0328

Parameter Method Result +/- CE MDA 95 Units Lab No: 12-0328-01 Sample ID: R 92141 Time Collected: 8/6/2012 07:15 Sampling Point: Cal Poly Dairy Sample Type: Milk I-131 EPA 901.1 0.277 + -0.6371.77 pCi/L K-40 EPA 901.1 1310 +/- 28.5 27.0 pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

REQUEST FOR S	SAMPLE ANALYSIS (F		
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164	Date	Received	Lab No. (Leave Blank)
Richmond, CA 94804	1 87	-12	12-0328
510-620-2911		Time Sampled	Serial Number
4 ***	8/6/12	0715	R 92141
Collector Information	Reporting Info		
Name: Tar Hook	Name:		
Dept./Dianch. 2/1 22.20	Dept./Branch:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Address: Avila Beach CH 93424	Address.		
Telephone No.: 805-545-44-09	Telephone No.		and the second s
Sample Information	Billing Agency	/	
System Name / Facility: Cal Poly Dairy Sampling Point (s):	DWFOB (RWQCB() DTSC
System Name / Facility: Cal Poly Dairy Sampling Point (s): System No.: 5 F 2	D DWTPB		DWR CDFG
System No.: 5F2	□ EMB	Other (Spec	(NTY)
YPE OF SAMPLE (Check all applicable boxes)	***		
☐ Drinking Water ☐ Groundwater	Surface Wa	ter 「	☐ Wastewater
☐ Raw ☐ Water Treatment Plan	nt (WTP) 🚨 Distribution :	System (Point of Use (POU)
Treated (circle one): Chlorinated / Chloraminated / Chlorinated / Chlori	orine Dioxide / Ozonated /	Peroxizone / Fluori	dated / Coagulated / pH Adjuste
Air Filters Date/Time	Seawater		
Finishing:	Milk		Sludge (Semi-solid Samples)
Starting:		_	☐ Soil/Sediment
	Wipes		Biota (Type):
Net (M³)	Radon Canis	ster (Other: 📆 💮 🐪
Air Charcoal Cartridge			
OMMENTS: (Cautions, etc.):			60,
Field Treatment: Preservatives added: Formaldah	udo ced/Frozen:	(Spit	or and a second
Field Measurement: mR/hr	Radionuclide		iei.
Rush/Priority (should be prearranged and have supervise	sory appropria	5(5), II KIIOWII.	
NALYSIS REQUESTED (For questions, please call 510-6		<u> </u>	
		<u>.</u>	
	ross Beta	☐ Gamma Sc	
^	otal Beta (LSC)	☐ NORM (Ga	the contract of the contract o
	itium (³H)‡		nericium / Curium
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	dine-131	Isotopic The	
	rontium-89, 90	Isotopic Ura	anium
	ckel-63	☐ Iron-55	
HAIN OF GUSTODY Pick Trainen	1	1 - 0	11.1.
Date Name (Print)			8/6/12
_0715 PGZE	1/5//		Date /200
Time Custody Received Organization	Signature 0	<i>V</i>	Time Custody Released
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			Date
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Date Name (Print)			
	3 / 19.	On an al	Date
Time Custody Received Organization	Signature Signature	CO) CO HILAD	Time Custody Released
BORATORY REMARKS (Leave Blank)	***		
Condition at Time of Receipt:			
Acceptable Broken Container Holding Time Exceeded Sample Not Cooled	Leaked in Tra		☐ Improper Container
	, D Insufficient S	ample	
Preservatives/Carriers: Added While Sampling Added in Laboratory			
☐ Added While Sampling ☐ Added in Laboratory	/ □ Not Added		☐ Not Applicable



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0253

Collector:

Tom Hook

RHB

Requestor: Roger Lupo

RHB

Task ID: 12-0253

P O Box 56 Avila Beach

CA 93424 Sacramento

CDPH - RHB, 1500 Capitol Av., MS 7610

95814-5006 CA

Phone Number: 805-545-4409

Phone Number: 916-440-7955

System No:

Site/Project Name: Diablo Canoyon NPP / Milk / July 2012

Billing Agency: RHB

Samples Received by Lab: 7/11/2012

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 12-0253-01	Sample ID: R 92142 Sample Type: Milk	Time Collected: 7/10/2012 1:	3:05 Sampling Point	: Cal Poly Dairy
I-131	EPA 901.1	-0.171 +/- 0.653	1.98	pCi/L
K-40	EPA 901.1	1310 +/- 30.6	45.2	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	AMPLE ANALYSIS (Radiochemical)
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164	Date Received Lab-No (Leave Blank)
Richmond, CA 94804	7-1/-12
510-620-2911	7/10/12 1305 R 92142
Collector Information	Reporting Information
Name: Ton Hook	Name: Dept./Branch:
Dept./bianch. 0 0 0 57	Address:
AVILLA BEACH, CA 17704	
Telephone No.: (805) 545 - 4409	Telephone No.:
Sample Information System Name / Facility:	Billing Agency
Sampling Point (s):	D DWFOB() D RHB D RWQCB() D DTSC D DWTPB D FDB D DWR D CDFG
	D EMB D Other (Specify)
System No.:	
TYPE OF SAMPLE (Check all applicable boxes)	
☐ Drinking Water ☐ Groundwater	Surface Water (WTP) Distribution System Wastewater Point of Use (POU)
	(WTP) Distribution System Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjuste
Treated (Circle one): Unionnated / Unioraminated / Union	ille Dioage / Ozonateu / Peroxizone / Piuondateu / Coaguiateu / pri Adjuste
☐ Air Filters Date/Time	■ Seawater
Finishing:	Milk 🚨 Soil/Sediment
Starting:	☐ Wipes ☐ Biota (Type):
Net (M ³)	Radon Canister Other:
☐ Air Charcoal Cartridge	
COMMENTS: (Cautions, etc.):	A Company of the Comp
☐ Field Treatment: Preservatives added:	Other:
☐ Field Measurement:mR/hr	Radionuclide(s), if known:
Rush/Priority (should be prearranged and have superviso	ory approval)
ANALYSIS REQUESTED (For questions, please call 510-62	(0-2911)
☐ Gross Alpha ☐ Gro	oss Beta Gamma Scan
☐ Total Uranium ☐ Tot	tal Beta (ESC)
☐ Total Radium ☐ Trit	tium (³H)
☐ Radium-226 ☐ Car	rbon-14 sotopic Plutonium
☐ Radium-228 ☐ lod	tine-131
☐ Radon-222 ☐ Stro	ontium-89-90 🔲 Isotopic Uranium
Other (Specify); Dic	ckel-63 □ Iron-55
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Date 1 Name (Print)	1630
Time Custody Received Organization	Signature Time Custody Released
2. Date Name (Print)	Date
Time Custody Received Organization	Signature Time Custody Released
3. 11-12 1/10	
Date Name (Print)	19 The OM Al
Time Custody Received Organization	Signature Time Custody Released
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Acceptable	Leaked in Transit Improper Container
☐ Halding Time Exceeded ☐ ☐ Sample Not Cooled	☐ Insufficient Sample
B. Preservatives/Carriers:	
☐ Added While Sampling ☐ Added in Laboratory	/ D Not Added D Not Applicable
Lab 803 (11/07)	



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0198

Collector:

Tom Hook

RHB

Requestor: Roger Lupo

RHB

P O Box 56 Avila Beach

CA 93424 CDPH - RHB, 1500 Capitol Av., MS 7610

CA

Sacramento

95814-5006

Phone Number: 805-545-4409

Phone Number: 916-440-7955

Site/Project Name: Diablo Canyon NPP / Milk / June 2012

System No:

Billing Agency: RHB

Samples Received by Lab: 6/14/2012

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 12-0198-01	Sample ID: R 92047 Sample Type: Milk	Time Collected: 6/12/2012	07:15 Sampling Poin	t: Cal Poly Dairy Farms
K-40	EPA 901.1	1290 +/- 28.3	28.5	pCi/L
I-131	EPA 901.1	1.10 +/- 0.793	2.23	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	EQUEST FOR SAMPLE	ANALYSIS (Radio	ochemical)	
Sanitation and Radiation Laboratories 850 Marina Bay Parkway, G164 Richmond, CA 94804	Branch	Date Rec	eived	Lab No. (Leave Blank)
510-620-2911		/ Date & Time		Serial Number
		6/12/19	175	R 92047
Collector Information Name: For Hook Dept./Branch: PO Box 56 Address: Avila Beach, CA	93424	Reforting Informa Name: Dept./Branch: Address:	ition	N 949
Telephone No.: 905-545-44-0		Telephone No.:		
Sample Information		Billing Agency		
System Name / Facility: Sampling Point (s):		D DWFOB () DWTPB EMB		☐ CDFd
System No.:			Officer (Specify)	
TYPE OF SAMPLE (Check all applicable	boxes)) (a)		
☐ Raw ☐ Wat	er Treatment Plant (WTP)	Surface Water Distribution System	em 🔲 Po	astewater pint of Use (POU)
☐ Treated (circle one): Chlorinated / Chl	oraminated / Chlorine Diox	ide / Ozonated / Per	oxizone / Fluoridated	d / Coagulated / plf Adjusted
☐ Air Filters	Date/Time	Seawater	□ si	udge (Semi-solid Samples)
Finishing:		Milk		pil/Sediment
Starting:		⊼ ······ ີ່ມີ Wipes		
Net (M ³)		*		ota (Type):
Air Charcoal Cartridge		Radon Canister	, U O	her:
- All Orlandoal Cartilidge				
COMMENTS: (Cautions, etc.):			30X	A Section of the sect
Field Treatment: Preservatives adde	d: Forwaldel dol	ced/Frozen:	Other:	The state of the s
☐ Field Measurement:	mR/hr	Radionuclide(s),		
Rush/Priority (should be prearranged a		wall &	II KIIOWII.	
		lai,	***	
ANALYSIS REQUESTED (For questions,	please call 510-620-2911)	į.		
Gross Alpha	☐ Gross Beta	¥	☐ Gamma Scan	
☐ Total Uranium	☐ Total Beta (ESC)	☐ NORM (Gamma)
Total Radium	☐ Tritium (³ H)		☐ Isotopic Americi	•
Radium-226	☐ Carbon-14		☐ Isotopic Plutoniu	
Radium-228	☐ lodine-131 [~]		☐ Isotopic Thorium	
Radon-222	□ Strontium-8	9. 90	☐ Isotopic Uraniun	
Other (Specify);	Nickel-63	닭 이 것이 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	☐ Iron-55	
CHAIN OF GUSTODY			<u> </u>	<u> </u>
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Time Custody Received Organization	-0F/	Signature [[A]		Time Custody Released
Date Name (Print)				Date
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1/11/12 1 12 12 14 1 1 1 1 1 1 1 1 1 1 1 1 1	RIB	/ MV-	P	Date
Time Custody Received Organization		Signature /		Time Custody Released
ABORATORY REMARKS (Leave Blank) Condition at Time of Receipt:			****	
☐ Holding Time Exceeded ☐ : Preservatives/Carriers:	Sample Not Cooled (☐ Insufficient Sampl	•	Improper Container
Added While Sampling	Added in Laboratory	Not Added	regional and a 🚗	Not Applicable



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0103

Collector:

Tom Hook

RHB

Requestor: Steve Hsu

RHB

P O Box 56

CA 93424 1500 Capitol Avenue, MS 7610

Avila Beach

Sacramento

CA 95814-5006

Phone Number: 805-545-4409

Site/Project Name: DCNPP / Milk / May 2012

Phone Number: 916-440-7940

System No:

Billing Agency: RHB

Samples Received by Lab: 5/8/2012

Method Result +/- CE Units **Parameter** MDA 95 R 92018 Sampling Point: Cal Poly Dairy Lab No: 12-0103-01 Sample ID: Time Collected: 5/7/2012 07:52 Farms Sample Type: Milk EPA 901.1 I-131 0.127 +/- 0.5191.44 pCi/L EPA 901.1 K-40 1290 +/- 28.2 28.4 pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164 Richmond, CA 94804 510-620-2911 Collector Information Name: Dept./Branch: Address: Aura Beauty Area (Speciality: Sample Information System No: TYPE OF SAMPLE (Check all applicable boxes) Drinking Water Raw Date Time Sample Serial Number Reporting Information Name: Dept./Branch: Address: Billing Agency DWFOB () RHB RWQCB () DTSC DWTPB FDB DWR CDFG DWTPB FDB DWR CDFG EMB Other (Specify) Surface Water Point of Use (POU) Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxde / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Starting: Net (M*) Air Charcoal Cartridge
Richmond, CA 94804 510-620-2911 Collector Information Name: Dept./Branch: PD. Box 516 Address: Address: Telephone No.: Bample Information Name: System Name / Facility: System Name / Facility: System No.: TYPE OF SAMPLE (Check all applicable boxes) Drinking Water Raw Date/Time Surface Water Distribution System Water Treatment Plant (WTP) Distribution System Seawater Seawater Suudge (Semi-solid Sample Finishing: Starting: Net (M*) Air Charcoal Cartridge Reporting Information Name: Serial Number Reporting Information Name: Dept./Branch: Address: Telephone No.: Billing Agency DWFOB () RHB RWQCB () DTSC DWTPB FDB DWR CDFG DWTPB FDB D
Collector Information Name: Dept./Branch: Address: Au.4 Beach, CA 94424 Telephone No.: (805) 545 44409 Telephone No.: (805) 545 44409 Telephone No.: (805) 545 4409 DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () RHB RWQCB () DTSC DWFOB DWR COPFG DWFOB () DWFOB () RWQCB () DTSC DWFOB DWR COPFG DWFOB () DWFOB () RWQCB () DTSC DWFOB DWR COPFG DWFOB () DWFOB () RWQCB () DTSC DWFOB DWR COPFG DWFOB () DWFOB () DTSC DWFOB DWR COPFG DWFOB () DWFOB () DWFOB COPFG DWF
Collector Information Name: Dept./Branch: P.O. Box 56 Address: Any Geaul CA 94424 Telephone No.: 805 545 - 4469 Sample Information System Name / Facility: CAL POLY DATEY Sampling Point (s): System No.: TYPE OF SAMPLE (Check all applicable boxes) Drinking Water Groundwater Water Treatment Plant (WTP) Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / ph Adjus Air Filters Date/Time Seawater Starting: Net (M³) Air Charcoal Cartridge
Name: Dept./Branch: PO BOX 50 Address: Avi 4 Geaul CA 974124 Address: Address: Avi 4 Geaul CA 974124 Address: Address: Avi 4 Geaul CA 974124 Address: Address: Address: Avi 4 Geaul CA 974124 Address: Address: Address: Avi 4 Geaul CA 974124 Address: Addres
Name: Dept./Branch: PO. Box 56 Address: Aviu Beautica Prive Dept./Branch: Address: Gelephone No.: (805) 545-4409 Telephone No.: Sample Information System Name / Facility: CAL POUT DANCY DWFOB () RHB RWQCB () DTSC Sampling Point (s): DWTPB FDB DWR CDFG System No.: TYPE OF SAMPLE (Check all applicable boxes) Drinking Water Groundwater Water Treatment Plant (WTP) Distribution System Point of Use (POU) Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Finishing: Starting: Wipes Biota (Type): Net (M²) Radon Canister Other:
Telephone No.: 805 SYK-4409 Telephone No.: 805 SYK-4409 Telephone No.: 8111 Agency System Name / Facility: CAL POUT DARY System Name / Facility: CAL POUT DARY DWFOB() RHB RWQCB() DTSC DWTPB FDB DWR CDFG EMB Other (Specify) System No.: TYPE OF SAMPLE (Check all applicable boxes) Prinking Water Groundwater Groundwater Plant (WTP) Treated (circle one): Chlorinated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Finishing: Wijes Bitling Agency DWFOB() RHB RWQCB() DTSC Wastewater Point of Use (POU) Vastewater Point of Use (POU) Wastewater Point of Use (POU) Milk Soil/Sediment Wijes Biota (Type): Radon Canister Other:
Telephone No.: (805) SYK-Y409 Telephone No.: (805) SYK-Y409 Telephone No.: (805) SYK-Y409 Telephone No.: (805) SYK-Y409 System Name / Facility: CAL POLY DARY DWFOB() RHB RWQCB() DTSC DWTPB FDB DWR CDFG EMB Other (Specify) System No.: TYPE OF SAMPLE (Check all applicable boxes) Prinking Water Groundwater Distribution System Point of Use (POU) Treated (circle one): Chlorinated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Finishing: Starting: Milk Soil/Sediment Wipes Bitling Agency DWFOB() RHB RWQCB() DTSC Wastewater Point of Use (POU) Vastewater Point of Use (POU) Surface Water Point of Use (POU) Wastewater Point of Use (POU) Seawater Sludge (Semi-solid Sample Milk Soil/Sediment) Radon Canister Bitling Other:
Telephone No.: (805) SYK-Y409 Telephone No.: (805) SYK-Y409 Telephone No.: (805) SYK-Y409 Telephone No.: (805) SYK-Y409 System Name / Facility: CAL POLY DARY DWFOB() RHB RWQCB() DTSC DWTPB FDB DWR CDFG EMB Other (Specify) System No.: TYPE OF SAMPLE (Check all applicable boxes) Prinking Water Groundwater Distribution System Point of Use (POU) Treated (circle one): Chlorinated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Finishing: Starting: Milk Soil/Sediment Wipes Bitling Agency DWFOB() RHB RWQCB() DTSC Wastewater Point of Use (POU) Vastewater Point of Use (POU) Surface Water Point of Use (POU) Wastewater Point of Use (POU) Seawater Sludge (Semi-solid Sample Milk Soil/Sediment) Radon Canister Bitling Other:
Sample Information System Name / Facility: CAL POLY DARY Sampling Point (s): System No.: TYPE OF SAMPLE (Check all applicable boxes) Drinking Water Groundwater Starting: Air Filters Date/Time Seawater Starting: Net (M³) Air Charcoal Cartridge Surface Water DW Distribution System Point of Use (POU) Seawater Seawater Starting: Wastewater Point of Use (POU) Other (Specify) DWTPB RHB RWQCB() DTSC DWTPB DWTPB DWTPB DWTP Surface Water Point of Use (POU) Surface Water Point of Use (POU) Point of Use (POU) Seawater Seawater Sludge (Semi-solid Sample Starting: Wijes Biota (Type): Radon Canister Other:
System Name / Facility: CAL POLI DANAY DWTPB RAWQCB() DTSC DWTPB DWTPPB DWT
PYPE OF SAMPLE (Check all applicable boxes) Drinking Water Groundwater Distribution System Point of Use (POU) Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Finishing: Starting: Net (M³) Air Charcoal Cartridge
Type of sample (Check all applicable boxes) Drinking Water Groundwater Distribution System Point of Use (POU) Treated (circle one): Chlorinated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Finishing: Starting: Net (M³) Air Charcoal Cartridge
PYPE OF SAMPLE (Check all applicable boxes) Drinking Water
PYPE OF SAMPLE (Check all applicable boxes) Drinking Water
Drinking Water
Drinking Water Raw Water Treatment Plant (WTP) Distribution System Point of Use (POU) Treated (circle one): Chlorinated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters Date/Time Seawater Sludge (Semi-solid Sample Wipes Finishing: Starting: Net (M³) Air Charcoal Cartridge
Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjus Air Filters
Air Filters Date/Time Seawater Sludge (Semi-solid Sample Milk Soil/Sediment Wipes Date (Type): Radon Canister Other:
Finishing: Starting: Net (M³) Air Charcoal Cartridge Milk Soil/Sediment Wipes Biota (Type): Other: Other:
Finishing: Starting: Net (M³) Air Charcoal Cartridge Milk Soil/Sediment Biota (Type): Radon Canister Other:
Starting: Net (M³) Air Charcoal Cartridge Biota (Type): Radon Canister Other:
Net (M³)
Air Charcoal Cartridge
Air Charcoal Cartridge
COMMENIS: (Cautions, etc.).
Field Treatment: Preservatives added: Ced/Frozen: Other:
Field Measurement:mR/hr
Rush/Priority (should be prearranged and have supervisory approval)
Trustit finity (should be prountinged at the test of t
ANALYSIS REQUESTED (For questions, please call 510-620-2911)
☐ Gross Alpha ☐ Gamma Scan
☐ Total Beta (CSC) ☐ NORM (Gamma)
The Control of the Co
Total Nation
1 Radium-220
Radium-228
Radon-222 Strontium-89, 90 Isotopic Uranium
Other (Specify);/
CHAIN OF CUSTODY
5/7/12 Tom Hook
Date Name (Print) Date
8752 PGGV
Time Custody Received Organization Signature Time Custody Released
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ABORATORY REMARKS (Leave Blank) COLOD MR/hr
☐ Acceptable ☐ Broken Container ☐ Leaked in Transit ☐ Improper Container
☐ Acceptable ☐ Broken Container ☐ Leaked in Transit ☐ Improper Container

TOES I



Drinking Water and Radiation Laboratory Branch



850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 12-0101

Collector:

Chris Christensen

RHB

Requestor: Steve Hsu

RHB

1500 Capitol Avenue, MS 7610

Sacramento

95814-5006 CA

Phone Number: 916-440-7940

Task ID: 12-0101

Site/Project Name: Milk / 2nd Qtr 2012

Phone Number: 707-299-8761

CA

System No:

Billing Agency: RHB

Samples Received by Lab: 5/8/2012

Parameter	Method	Result +/- CE	N	/IDA 95	Units
Lab No: 12-0101-01	Sample ID: R 92016 Sample Type: Milk	Time Collected: 5/7/2012	07:10	Sampling Point:	Humboldt Creamery
I-131	EPA 901.1	0.701 +/- 0.83	6	2.48	pCi/L
K-40	EPA 901.1	1290 +/- 31.5		40.6	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

☐ Not Applicable

State of California – Health and Welfare Ag	REQUEST FOR SA	MDIEANA	I VOIC (Dadie	ochemical)	
Sanitation and Radiation L		VIEW CE SINA	Date Red		Lab No. (Leave Blank)
850 Marina Bay Parkway, G			5181		12-0101
Richmond, CA 94804			Date & Time		Serial Number
510-620-2911		1,	$\sim \lambda$		R 92016
Collector Information			orting Informa		N JEJIO
Name: Chris Christ		Nam	1e: /h:/k	& Dairy Foo	I salety Branch
Dept./Branch:	- NIEW	Dep	t./Branch: 12 7	O N street	d safety Branch
Address: 231 Anna	hy-D-	Add	ress: کیر	ramento c	Aš
Dept./Branch: Address: 231 Annua Forty	CA95540	Tele	phone No.:		95814
Sample Information			ng Agency		
System Name / Facility: H.	umboldt Creamery		OWFOB()		QCB() DTSC
Sampling Point (s):	71 Highway 1 Lyna (A 15540	SV.		☐ FDB ☐ DW	
System No.:	tuna 4 15540	#4 E	МВ	Other (Specify)	
TYPE OF SAMPLE (Check	all applicable boyes)	6			
	☐ Groundwater	ត់ ទ	Surface Water	П	Wastewater
☐ Drinking Water ☐ Raw	Water Treatment Plant	(WTP) 💆 🖰	istribution Syst	em 🗖	Point of Use (POU)
	lorinated / Chloraminated / Chlor				ed / Coagulated / pH Adjusted
☐ Air Filters	Date/Time		Seawater		Sludge (Semi-solid Samples)
Finishing:			Milk		Soil/Sediment
Starting:			Vipes		Biota (Type):
Net (M³)		D R	Radon Canister		Other:
☐ Air Charcoal Cartridge			명하는 <u>유럽.</u>		
COMMENTS: (Cautions, et	c.):	7.1		· V	
☐ Field Treatment: Pres		ced	/Frozen:	Other	•
	mR/hr	5.5	adionuclide(s)	if known:	
	prearranged and have supervise	477			
		*	 		
	For questions, please call 510-62	, 1			
☐ Gross Alpha		oss Beta		Gamma Scan	
☐ Total Uranium		tal Beta (LSC)	NORM (Gamı	
☐ Total Radium		tium (³ H)		☐ Isotopic Ame	
☐ Radium-226		arbon-14		☐ Isotopic Pluto	
☐ Radium-228		dine-131	•	☐ Isotopic Thori	
☐ Radon-222		rontium-89, 9	J	☐ Isotopic Uran	lum, (s
Other (Specify);		ckel-63		☐ Iron-55	
CHAIN OF CUSTODY		*	Total Company and Company		~ 5-7-12
1. <u>5- 7- 12</u> Date	Name (Print)			10	Date
0710	Humbold + Crecimen		Ken - 1	Lat	<u> </u>
Time Custody Received	Organization	Sigi	nature		Time Custody Released
2. <u>5-7-7</u> Date	Name (Print)			A.	Date
9715	Milk & Dan Food Salit	Bend L	Liches	<u> </u>	<u> 277 u</u>
Time Custody Received 3.	Organization 7	Sigi	nature		Time Custody Released
5. Date 5/8/12	Name (Print)				Date
<u> </u>	DWDID		SPL		Time 0
Time Custody Received	Organization	Sigr	nature		Time Custody Released
LABORATORY REMARKS	(Leave Blank)	0.02 m			
A. Condition at Time of Rec	elpt:		PLAR		III. Imanasa Cartana
☐ Acceptable ☐ Holding Time Exceed	□ Broken Container ed □ Sample Not Cöoled	, <u>10</u>	Leaked in Trans Insufficient Sam		☐ Improper Container

Not Added

Preservatives/Carriers:
☐ Added While Sampling

☐ Added in Laboratory



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0102

Collector:

Gary Schultz

Cal. DHS

Requestor: Steve Hsu

RHB

415 Knollcrest Drive, Suite 110

1500 Capitol Avenue, MS 7610

Ca

Sacramento

CA 95814-5006

Phone Number: 530-224-4868

Phone Number: 916-440-7940

Site/Project Name: Milk / 2nd Qtr 2012

System No:

Billing Agency: RHB

Samples Received by Lab: 5/8/2012

Parameter	Method	Result +/- CE	ı	MDA 95	Units
Lab No: 12-0102-01	Sample ID: R 92017 Sample Type: Milk	Time Collected: 5/4/2012	14:30	Sampling Point:	Rumiano Cheese
I-131	EPA 901.1	-2.09 +/- 1.26		3.34	pCi/L
K-40	EPA 901.1	1410 +/- 34.5		52.3	pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

	ANALYSIS (Radiochemical)
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164	Date Received Lab No. (Leave Blank)
Richmond, CA 94804	5/8/12/ 12-0102
510-620-2911	Date & Time Sampled Serial Number R 92017
Collector Information	Reporting Information
Name: られなり されにする Dept./Branch:	Name:
Jept./Branch:	Dept./Branch: Address:
Address: 511 9 Th ST Crescent City C.A. 95531	Address.
Telephone No.: 707 4/65-1535	Telephone No.:
Sample Information System Name / Facility: Ruminau Cheese Co	Billing Agency
Sampling Point (s): FARM Y'EK 4P LOAD # (DWFOB() RHB RWQCB() DTSC DWTPB DFDB DWR CDFG EMB Other (Specify)
System No.:	- Cirioi (opcony)
TYPE OF SAMPLE (Check all applicable boxes)	
Raw Water Treatment Plant (WTP)	Surface Water
Treated (circle one): Chlorinated / Chloraminated / Chlorine Diox	de / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted
Air Filters Date/Time	Seawater Sludge (Semi-solid Samples)
Finishing:	Milk
Starting:	
Net (M³)	
Air Charcoal Cartridge	Radon Canister
	36
OMMENTS: (Cautions, etc.):	
Field Treatment: Preservatives added:	ided/Frozen: Other:
Field Measurement:mR/hr	Radionuclide(s), if known:
Rush/Priority (should be prearranged and have supervisory appro	(a)
NALYSIS REQUESTED (For questions, please call 510-620-2911)	
Gross Alpha Gross Beta	
Total Uranium Total Beta	
Total Radium Tritium (³H)	
Radium-226	•
Radium-228 lodine-131	
Radon-222 Strontium-8	
Other (Specify); Nickel-63	□ Iron-55
HAIN OF CUSTODY	gradina di Angelonia
5-4-12 GARY SMITS	5-7-12
Date Name (Print)	Date
Time Custody Received Organization	Signature Time Custody Released
Date Name (Print)	Date
Time Custody Received Organization Date Name (Print)	Signature Time Custody Released
Date Name (Print)	Date
	Signature Time Custody Released
	M E(hr Leaked in Transit Improper Container Insufficient Sample
. Preservatives/Carriers: □ Added While Sampling □ Added in Laboratory ,	□ Not Added □ Not Applicable



Drinking Water and Radiation Laboratory Branch 850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. 12-0010

Investigator: Tom Hook

RHB

Requestor: Steve Hsu

RHB

P O Box 56

CA

1500 Capitol Avenue, MS 7610

95814-5006

Avila Beach

93424

Method

R 91959

Sacramento

CA

Phone Number: 805-545-4409

Phone Number: 916-440-7940

Site/Project Name: Diablo Canyon NPP / Milk / April 2012

Samples Received by Lab: 4/4/2012

Billing Agency: RHB

Result +/- CE

MDA 95

Units

Lab No: 12-0010-01

Sample Type: Milk

Sample ID:

Time Collected: 4/3/2012

08:10

Sampling Point: Cal Poly Dairy

Task ID: 12-0010

Farms

I-131

System No:

Parameter

EPA 901.1

0.347 +/- 0.515

1.44

pCi/L

K-40

EPA 901.1

1260 +/- 27.5

26.7

pCi/L

⁽¹⁾ Precision criteria for these method were determined to be acceptable.

⁽²⁾ CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.

⁽³⁾ MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 devided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particilar radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.

REQUEST FOR SAMPL	E ANALYSIS (Radiocnemical)
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164	Date Received Lab No. (Leave Blank) 21-4-12- (012-0010)
Richmond, CA 94804	
510-620-2911	4/3/12 08/0 R 91959
Collector Information	Reporting Information
Name: Tom HOOK	Name:
aportation and an	Dept./Branch: Address:
Address: AULA BRACH,CA 93424	Address.
Telephone No.: (805) 545 - 4409	Telephone No.:
Sample Information	Billing Agency
System Name / Facility: CAL POLIDATE/ Sampling Point (s):	DWFOB() RHB RWQCB() DTSC DWTPB FDB DWR CDFG
Sampling Four (s).	DEMB Other (Specify)
System No.:	Ciril Coponiy
TYPE OF SAMPLE (Check all applicable boxes)	
☐ Drinking Water ☐ Groundwater	Surface Water
Raw Water Treatment Plant (WTP	Distribution System Point of Use (POU)
Treated (circle one): Chlorinated / Chloraminated / Chlorine Di	oxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted
Air Filters Date/Time	Seawater Sludgt (Semi-solid Samples)
Finishing:	Milk Soil/Sediment
Starting:	☐ Wipes ☐ Biota (Type):
Net (M³)	Radon Canister
☐ Air Charcoal Cartridge	
Field Measurement: Preservatives added: mr./hr Rush/Priority (should be prearranged and have supervisory app	foed/Frozen: Other: Oth
ANALYSIS REQUESTED (For questions, please call 510-620-291	
	a de la companya de
	그 사용하다 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
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CHAIN OF CUSTODY 1. 4 3 12 TON HOOK	10/1/3/12
Date Name (Print)	Date 1200
Time Custody Received Organization	Signature Time Custody Released
Date Name (Print)	Date
Time Custody Received Organization	Signature Time Custody Released
3. 44-12 UN	
Date Name (Print)	Dulone W. Olle Date
Time Custody Received Organization	Signature Time Custody Released
LABORATORY REMARKS (Leave Blank)	0.01 MR/HR
A. Condition at Time of Receipt: □ Acceptable □ Broken Container □ Holding Time Exceeded □ Sample Not Cooled	B, Leaked in Transit D Improper Container
B. Preservatives/Carriers:	CE, / Insumcient Sample



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0167

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 03/13/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 Phone: 916-440-7940

Site and Sample Information

Collector's Name: Orlando Sabi

Date/Time Collected: 03/05/2012 07:00 Date/Time Received: 03/06/2012 13:40

Site Name: Diablo Canyon NPP

Source Name: DCNPP / Milk/ March 2012

R Number: R 91942

Sample Type: Milk

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result ± CE	MDA ₉₅	<u>Units</u>
N12-0167-001	Cal Poly Dairy Farms	HASL Ga-01-R	I-131	-0.766 ± 0.542	1.46	pCi/L
N12-0167-001	Cal Poly Dairy Farms	HASL Ga-01-R	K-40	1240 ± 27.4	29.0	pCi/L

Precision criteria for these methods were determined to be acceptable.

CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

California Department of Public Health of California - Health and Welfare Agency REQUEST FOR SAMPLE ANALYSIS (Radiochemical) Lab No. (Leave Blank) Sanitation and Radiation Laboratories Branch Date Received 850 Marina Bay Parkway, G164 -10-12 110-0167 Richmond, CA 94804 Date & Time Sampled 510-620-2911 112 0700 Reporting Information Collector Information Name: POLANDO SABI Name: Dept./Branch: P. O. BOX 56 Address: AVILABEACH, CA. 93424 Dept./Branch: Address: Telephone No.: 705-545-4415 Telephone No.: Sample Information **Billing Agency** System Name / Facility: CAL POLY DWFOB() ☐ RWQCB() ☐ DTSC C RHB Sampling Point (s): ☐ FDB ☐ DWR CDFG. DWTPB EMB ☐ Other (Specify) System No.: TYPE OF SAMPLE (Check all applicable boxes) □ Groundwater Surface Water ■ Wastewater ☐ Drinking Water ☐ Water Treatment Plant (WTP) ☐ Distribution System ☐ Point of Use (FOU) Raw Treated (circle one): Chlorinated / Chloraminated / Chlorine Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted Date/Time Seawater ☐ Sludge (Semi-solid Samples) ☐ Air Filters / Milk □ Soil/Sediment Finishing: Wipes ☐ Biota (Type): Starting: Radon Canister Other: Net (M³) ☐ Air Charcoal Cartridge COMMENTS: (Cautions, etc.): iced/Frozen: Other: ☐ Field Treatment: Preservatives added: mR/hr Radionuclide(s), if known: ☐ Field Measurement: Rush/Priority (should be prearranged and have supervisory approval) ANALYSIS REQUESTED (For questions, please call 510-620-2911) ☐ Gross Beta ☐ Gamma Scan Gross Alpha ☐ Total Beta (LSC) ☐ Total Uranium ■ NORM (Gamma) ☐ Tritium (³H) ☐ Isotopic Americium / Curium ☐ Total Radium ☐ Carbon-14 ☐ Isotopic Plutonium ☐ Radium-226 ☐ Radium-228 ☐ lodine-131 % ☐ Isotopic Thorium ☐ Strontium-89, 90 ☐ Radon-222 Isotopic Uranium ☐ Nickel-63 Iron-55 Other (Specify); CHAIN OF CUSTODY DRIAMO SARI Name (Print) 0700 Time Custody Received Time Custody Released 2 Date Name (Print) Date Time Custody Released Time Custody Received Organization Signature Name (Print) Date

ABORATORY REMARKS (Leav	re Blank)	. 0.01 MR/HR	
Acceptable Holding Time Exceeded	Broken Container Sample Not Cooled	☐ Leaked in Transit☐ Insufficient Sample	☐ Improper Container
. Preservatives/Carriers: Added While Sampling	Added in Laboratory	v.e. Not Added	□ Not Applicable

Signature

Time Custody Released

Time Custody Received

Organization



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0098

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 02/10/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 **Phone**: 916-440-7940

Site and Sample Information

Collector's Name: Chris Christensen

Date/Time Collected: 02/07/2012 07:00 Date/Time Received: 02/08/2012 10:30

Site Name: Humboldt Creamery / Milk

Source Name: Milk / 1st Qtr 2012

R Number: R 92791

Sample Type: Milk

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result ± CE	MDA ₉₅	<u>Units</u>
N12-0098-001	Humboldt Creamery	HASL Ga-01-R	I-131	0.172 ± 0.917	2.82	PCI/L
N12-0098-001	Humboldt Creamery	HASL Ga-01-R	K-40	1310 ± 34.8	55.7	pCi/L

for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

^{1.} Precision criteria for these methods were determined to be acceptable.

CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors

	AMPLE ANALYSIS (Radiocnemical)	Lab No. (Leave Blank)
Sanitation and Radiation Laboratories Branch	Date Received	
850 Marina Bay Parkway, G164 Richmond, CA 94804	2-8-12	NY-0098
510-620-2911	Date & Time Sampled	Serial Number
	2.7-12 0700	R 92791/
Collector Information	Reporting Information	osit R.
Name: Christensen	Name: Milk + Dary Food	supery source
Dept./Branch: CDFA/rilk & Dairy	Dept./Branch: 1220 N stra Address: Sacramento	CA -
Address 231 Annaly Dr	Jacob Menio	95814
Address: 231 Annaly D- Telephone No.: 707-299-8761	Telephone No.:	
Sample Information	Billing Agency	
System Name / Facility: Humboldt Creamery	DWFOB() RHB DF	RWQCB() DTSC
System No.: 572 Highway 1 System No.: Fortuna CA 95540		OWR CDFG ify)
System No.: Fortuna CA 95540	E CHID C OUTO (OPOC	,
TYPE OF SAMPLE (Check all applicable boxes)		
☐ Drinking Water ☐ Groundwater		☐ Wastewater
☐ Raw ☐ Water Treatment Pla		Point of Use (POU)
Treated (circle one): Chlorinated / Chloraminated / Ch	orine Dioxide / Ozonated / Peroxizone / Fluorio	dated / Coagulated / pH Adjuste
☐ Air Filters Date/Time	Seawater C	Sludge (Semi-solid Samples)
		Soil/Sediment
Finishing:		
Starting:		Biota (Type):
Net (M ³)	Radon Canister	Other:
Air Charcoal Cartridge		
COMMENTS: (Cautions, etc.):		en de la composição de la
Field Treatment: Preservatives added:	loed/Frozen: Ott	ner:
☐ Field Measurement:mR/h	3) a	
Rush/Priority (should be prearranged and have super		
ANALYSIS REQUESTED (For questions, please call 510	620-2911)	
☐ Gross Alpha	Gross Beta 📜 🚨 Gamma Sc	an
	otal Beta (tSC)	ımma)
☐ Total Radium ☐	ritium (³ H) 5	nericium / Curium
Radium-226	Carbon-14 🛴 🔲 Isotopic Plu	utonium
Radium-228	odine-131 🔲 Isotopic Th	orium
☐ Radon-222	Strontium-89, 90 🔲 Isotopic Ur	anium
Other (Specify);	lickel-63 🔲 Iron-55	
CHAIN OF CUSTODY		
1. 2-7.12 KEN LAND		2-7-12
Date Name (Print)		Date
Time Custody Received Organization	Signature	Time Custody Released
2-7-12 Chris Olar terres	And the second s	2-7-12
Date Name (Print)	or sl. sl-I	Date
705 Time Custody Received Organization	Signature Signature	Time Custody Released
3. 2-7-12		
Date Name (Print)	19	Date
Time Custody Received Organization	Signature Works M. W.C.	Time Custody Released
ABORATORY REMARKS (Leave Blank) A. Condition at Time of Receipt:		
A. Condition at Time of Receipt: Q. Acceptable Q. Broken Contains	☐ Leaked in Transit	☐ Improper Container
☐ Holding Time Exceeded ☐ Sample Not Coo		
3, Preservatives/Carriers:	4. 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0091

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 02/10/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 Phone: 916-440-7940

Site and Sample Information

Collector's Name: Gary Smits

Date/Time Collected: 02/02/2012 15:00 Date/Time Received: 02/06/2012 14:00

Site Name: Rumiano Cheese / Milk

Source Name: Milk / 1st Qtr 2012

R Number: R 92792

Sample Type: Milk

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result ± CE	MDA95	<u>Units</u>
N12-0091-001	Rumiano Cheese	HASL Ga-01-R	I-131	1.39 ± 1.28	4.02	pCi/L
N12-0091-001	Rumiano Cheese	HASL Ga-01-R	K-40	1340 ± 35.6	58.5	pCi/L

^{1.} Precision criteria for these methods were determined to be acceptable.

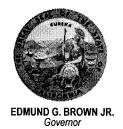
CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPL	E ANALYSIS (Radiochemical)
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164	Date Received Lab No. (Leave Blank)
Richmond, CA 94804	1 1 - 6 - 12
510-620-2911	Date & Time Sampled Serial Number R 92792
Collector Information	Reporting Information
Name: GARY SMITS Dept./Branch: RUMIANO Cheese Co	Name:
Dept./Branch: Kumiano Cheese Co	Dept./Branch: Address
Address: Crescent City C.A. 95531	Audiess
Telephone No.:	Telephone No.:
Sample Information	Billing Agency
System Name / Facility: RUMIANO CHEESE (&	D DWFOB() RHB RWQCB() DTSC
Sampling Point (s): 5/19th 3T C.A. 95531	DWTPB DDWR CDFG DEMB DOther (Specify)
System No .: FARM Ply TANKER LOAD-#1	C EMB Cuter (Specify)
TYPE OF SAMPLE (Check all applicable boxes)	
☐ Drinking Water ☐ Groundwater ☐ Water Treatment Plant (WTP	
Treated (circle one): Chlorinated / Chloraminated / Chlorine Die	oxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adjusted
☐ Air Filters Date/Time	☐ Seawater ☐ Sludge (Semi-solid Samples)
Finishing:	Milk
Starting:	Wipes
Net (M³)	Radon Canister Other:
☐ Air Charcoal Cartridge	
COMMENTS: (Cautions, etc.):	
	ced/Frozen: Other:
☐ Field Measurement: mR/hr	Radionuclide(s), if known:
☐ Rush/Priority (should be prearranged and have supervisory app	
ANALYSIS REQUESTED (For questions, please call 510-620-291	
☐ Gross Alpha ☐ Gross Be	
☐ Total Uranium ☐ Total Beta	
☐ Total Radium ☐ Tritium (³I	
☐ Radium-226 ☐ Carbon-1	
☐ Radium-228 ☐ Iodine-13	
☐ Radon-222 ☐ Strontium	
☐ Other (Specify); ☐ Nickel-63	
CHAIN OF CUSTODY	G HOIF-OO
1. 1.2-12 (SARY SMITE	2-3-12
Date Name (Print)	Date
Time Custody Received Organization Chasses Organization	Signature 3:00 PM Time Custody Released
Date Name (Print)	Date
Time Custody Received Organization	Signature Time Custody Released
3. Data 2-12 Name (Data)	
Date Name (Print)	Date Date
Time Custody Received Organization	Signature Time Custody Released
LABORATORY REMARKS (Leave Blank)	DOI MR/HR
☐ Acceptable ☐ Broken Container ☐ Holding Time Exceeded ☐ Sample Not Cooled	Leaked in Transit Improper Container Insufficient Sample
B, Preservatives/Carriers:	D. Not Artifact



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0094

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 02/23/2012

Requestor

Name: Steve Hsu

Organization: Radiologic Health Branch

Address: MS 7610, 1500 Capitol Avenue

City: Sacramento

State: CA

Zip Code: 95814-5006 **Phone:** 916-440-7940

Site and Sample Information

Site Name: Diablo Canvon NPP

Collector's Name: Tom Hook

Date/Time Collected: 02/06/2012 07:15 Date/Time Received: 02/07/2012 11:00

Source Name: DCNPP / February 2012

R Number: R 92790

Sample Type: Milk

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result ± CE	MDA95	<u>Units</u>
N12-0094-001	Cal Poly Dairy Farms	HASL Ga-01-R	I-131	-0.0727 ± 0.533	1.47	pCi/L
N12-0094-001	Cal Poly Dairy Farms	HASL Ga-01-R	K-40	1250 ± 26.8	28.1	pCi/L

^{1.} Precision criteria for these methods were determined to be acceptable.

^{2.} CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980 3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors

for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

O Not Applicable

REQUEST FOR SAMPLE ANALYSIS (Radiochemical)					
Sanitation and Radiation Laboratories Branch 850 Marina Bay Parkway, G164 Richmond, CA 94804	Date Received Lab No. (Leave Blank) 2-7-12 //12-0094				
Richmond, CA 94804 510-620-2911	Date/& Time Sampled Serial Number				
	2/6/12 07/5 R 92790				
Collector Information Name: Ton Hook Dept./Branch: 10 Box 56 Address: Au la Beach, CA 93424	Reporting Information Name: Dept./Branch: Address:				
Telephone No.: 805-545-4409	Telephone No.:				
Sample Information System Name / Facility: CAL POLY DAIRY Sampling Point (s):	Billing Agency DWFOB() RHB RWQCB() DTSC DWTPB FDB DWR CDFG EMB Other (Specify)				
System No.: 5F2					
TYPE OF SAMPLE (Check all applicable boxes)					
☐ Drinking Water ☐ Groundwater ☐ Water Treatment Plant (W☐ Treated (circle one): Chlorinated / Chlo	Surface Water TP) Distribution System Dioxide / Ozonated / Peroxizone / Fluoridated / Coagulated / pH Adju	usted			
	Seawater				
	Sol/Sediment	nes			
Finishing:	Wipes				
Starting:	Radon Canister Other:				
Net (M³) Air Charcoal Cartridge	Tadoti Callistei				
G All Charcoal Cardinge					
Field Treatment: Preservatives added: Formal thydical Field Measurement:mR/hr Rush/Priority (should be prearranged and have supervisory a	Other: Ot				
ANALYSIS REQUESTED (For questions, please call 510-620-2	2911)				
☐ Gross Alpha ☐ Gross	Beta Gamma Scan				
☐ Total Uranium ☐ Total E	Beta (LSC)				
☐ Total Radium ☐ Tritium					
☐ Radium-226 ☐ Carbo					
☐ Radium-228 ☐ Iodine					
	ium-89, 90				
Other (Specify);	-63 □ Iron-55				
1. 2/6/12 Name (Print) PG &F	$\frac{2/6/12}{\text{Date}}$				
Time-Custody Received Organization 2.	Signature Time Custody Release	ed 			
Date Name (Print)	Date				
3. Time Custody Received Organization 3. Date Name (Print)	Signature Time Custody Release	ed —			
Time Custody Received Organization	Signature Time Custody Release	ed			
LABORATORY REMARKS (Leave Blank) A. Condition at Time of Receipt: Acceptable Holding Time Exceeded B. Preservatives/Carriers:	OID Leaked in Transit D Improper Container Insufficient Sample				

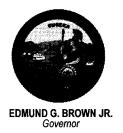
☐ Added in Laboratory ☐ Not Added

☐ Added While Sampling



Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804 Phone: (510) 620-2911 Fax: (510) 620-2940



FINAL Analysis Results Report for Task ID. N12-0025

Analyst: Angela Tan

Analysis Approved By: Shiyamalie Ruberu

Analysis Approval Date: 01/19/2012

Requestor

Name: Tom Hook

Organization: Radiologic Health Branch

Address: P.O. Box 56

City: Avila Beach

State: CA

Zip Code:

Phone: 805-545-4409

Site and Sample Information

Collector's Name: Tom Hook

Date/Time Collected: 01/09/2012 07:15 Date/Time Received: 01/10/2012 12:02

Site Name: Diablo Canyon NPP

Source Name: DCNPP / January 2012

R Number: R92716

Sample Type: Milk

Sample ID	Sampling Point	<u>Method</u>	<u>Parameter</u>	Result ± CE	MDA95	<u>Units</u>
N12-0025-001	Cal Poly Dairy Farms	HASL Ga-01-R	Cs-134	0.436 ± 0.337	1.35 pc	Ci/L
N12-0025-001	Cal Poly Dairy Farms	HASL Ga-01-R	Cs-137	0.423 ± 0.537	1.39 pc	Ci/L
N12-0025-001	Cal Poly Dairy Farms	HASL Ga-01-R	I-131	0.527 ± 0.537	1.51 pc	Ci/L
N12-0025-001	Cal Poly Dairy Farms	HASL Ga-01-R	K-40	1260 ± 26.9	28.1 pc	Ci/L

^{1.} Precision criteria for these methods were determined to be acceptable.

CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
 MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

REQUEST FOR SAMPL	EANALYSIS (Radiochemical)	
Sanitation and Radiation Laboratories Branch	Date Received	Lab No. (Leave Blank)
850 Marina Bay Parkway, G164	01/10/12	M2-
Richmond, CA 94804 510-620-2911	, Date & Time Sampled	N12~0025~60) Serial Number
	1/9/12 07/5	R 92716
Collector Information	Reporting Information	1 92710
Dept./Branch: Hook	Name:	
Address: Avila Bosch, CA 93424	Dept./Branch: Address:	
Avila Boach, CA 93424		
Telephone No.: 805-645-44-69 Sample Information	Telephone No.:	
System Name / Facility: CAL POLY DAIRY	Billing Agency	
Camping Cont (s).	DWFOB() RHB R DWTPB FDB D	WQCB() DTSC WR DCDFG
System No.: 5F2	☐ EMB ☐ Other (Speci	
TYPE OF SAMPLE (Check all applicable boxes)		
☐ Drinking Water ☐ Groundwater	<u> </u>	
Raw Groundwater Water Treatment Plant (WTP)	Surface Water Distribution System	Wastewater Point of Use (POU)
☐ Treated (circle one): Chlorinated / Chloraminated / Chlorine Did	xide / Ozonated / Peroxizone / Fluorid	ated / Coagulated / nH Adjusted
☐ Air Filters Date/Time	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Finishing:	7	Sludge (Semi-solid Samples)
Starting:		Soil/Sediment
	Wipes	Biota (Type):
Net (M³)	Radon Canister	Other:
Air Charcoal Cartridge		
COMMENTS: (Cautions, etc.):		
Field Treatment: Preservatives added: Forma delude	ced/Frozen: Oth	9 r:
☐ Field Measurement:mR/hr	Radionuclide(s), if known:	
 Rush/Priority (should be prearranged and have supervisory appr 	oyal)	
ANALYSIS REQUESTED (For questions, please call 510-620-2911		
Gross Alpha Gross Bets	_	
☐ Total Uranium ☐ Total Beta	- Camma Oce	
☐ Total Radium ☐ Tritium (³H	=	•
☐ Radium-226 ☐ Carbon-14	Nation 1	ericium / Curium
Radium-228 lodine-131	ee.ep.e / iac	
☐ Radon-222 ☐ Strontium-		
Other (Specify); Nickel-63	☐ Iron-55	
CHAIN OF CUSTODY		, , , , , , , , , , , , , , , , , , ,
1. 1912 Name (Print)		1/9/12
Date Name (Print)	1/-18/11/	Date/ (
Time Custody Received Organization	Signature	Time Custody Released
Date Name (Print)		
		Date
Time Custody Received Organization	Signature	Time Custody Released
Date Name (Print)		
-11. KO DIVOID	Angola Ton	Date
Time Custody Received Organization	Signature	Time Custody Released
ABORATORY REMARKS (Leave Blank)		
Condition at Time of Receipt: Acceptable Broken Container		
☐ Holding Time Exceeded ☐ Sample Not Cooled	Leaked in Transit insufficient Sample, Dairy	☐ Improper Container
. Preservatives/Carriers:	Dairy	119112 0715
Added While Sampling Added in Laboratory	□ Not Added X	□ Nov Applicable .

Lab 803 (11/07)

101/10/12